Amendment to the Specification:

The specification at page 1, line 10 is amended herein as follows:

Referring to block 120, a fractional portion of the first scaling factor (K) can be subtracted from the first folding value (P) to produce a first operand, and this first operand can be squared to compute a first square (A),

$$\text{e.g. } A = (P - K/2)^2$$

Likewise, a fractional portion of the second scaling factor (L) can be subtracted from the second folding value (Q) to produce a second operand, and this second operand can be squared to compute a second square (B)

$$\text{e.g. } B = (Q - L/2)^2$$

A first product (C) can be computed by multiplying the first folding value (P) by the fractional portion of the first scaling factor and a second product (D) can be computed by multiplying the second folding value (Q) by the fractional portion of the second scaling factor. Further, a third square (E) can be computed by squaring the fractional portion of the first scaling factor and a fourth square (F) can be computed by squaring the fractional portion of the second scaling factor. The folded product can then be computed by summing the first square (A), the first product (C) and the fourth square (F), and subtracting from the sum, the second square (B), the second product (D) and the third square (E),

$$\text{e.g. folded product} = A - B + C - D - E + F.$$

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